BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
1		Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no.						789.51			
		Total						**789.51**			
		Tender Quantity						**462.13**			
		Now to be Paid Quantity									
		Qty upto 125%						**577.66**	**137.80**	**79602.00**	
		Qty above 125%						**211.85**	**137.80**	**29193.00**	
2		Removing B.S slab of drain and stacking specifications and direction of site engineer in in charge of the work									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no.						202.32			
		Total						**202.32**			
		Tender Quantity						**804.38**			
		Now to be Paid Quantity						**202.32**	**104.94**	**21231.00**	
3		Refixing stone slabs of drains and pointing in CM (1:3) specifications and direction of site engineer in incharge of the work									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no.						202.32			
		Total						**202.32**			
		Tender Quantity						**804.38**			
		Now to be Paid Quantity						**202.32**	**111.30**	**22518.00**	
4		Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and as per the directions of the Engineer-in-charge of the work.									
Measurements taken on											
		For New Slab Drain									
		Nagesh House									
0	15		Sqm	1	15.00	1.80		27.00			
15	30		Sqm	1	15.00	1.80		27.00			
30	45		Sqm	1	15.00	1.80		27.00			
45	60		Sqm	1	15.00	1.80		27.00			
60	75		Sqm	1	15.00	1.80		27.00			
75	90		Sqm	1	15.00	1.80		27.00			
90	105		Sqm	1	15.00	1.80		27.00			
105	116.6		Sqm	1	11.60	1.80		20.88			
		Cross Road									
0	2		Sqm	1	2.00	1.80		3.60			
14	16		Sqm	1	2.00	1.80		3.60			
28	32		Sqm	1	4.00	1.80		7.20			
43.4	48		Sqm	1	4.60	1.80		8.28			
57	62		Sqm	1	5.00	1.80		9.00			
73	74		Sqm	1	1.00	1.80		1.80			
88.5	93		Sqm	1	4.50	1.80		8.10			
102	106		Sqm	1	4.00	1.80		7.20			
117	121		Sqm	1	4.00	1.80		7.20			
135.5	139		Sqm	1	3.50	1.80		6.30			

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore
Contractor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant exicutive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
147	150		Sqm	1	3.00	1.80		5.40			
							Total	**277.56**			
							Tender Quantity	**433.13**			
							Now to be Paid Quantity	**277.56**	**742.00**	**205950.00**	
	5	Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no.						122.83			
							Total	**122.83**	**3606.12**	**442922.59**	
							Tender Quantity	**127.65**			
	6	Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications, and as per the directions of the Engineer-in-charge of the work									
		Vide Total executed Quantity from premeasuremet Page no.						**100.80**			
							Total	**100.80**			
							Tender Quantity	**43.20**			
							Now to be Paid Quantity				
							Qty upto 125%	**54.00**	**4871.76**	**263075.00**	
							Qty above 125%	**46.80**	**4871.76**	**227998.00**	
	7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		For New SSm Drain									
		VR Super Market Oppossite									
0	15		Cum	2	15.00	0.55	0.50	8.3			
15	25.5		Cum	2	10.50	0.55	0.50	5.8			
0	15		Cum	2	15.00	0.55	0.50	8.3			
15	30		Cum	2	15.00	0.55	0.50	8.3			
30	37.9		Cum	2	7.90	0.55	0.50	4.3			
		Raju House									
0	15		Cum	2	15.00	0.55	0.50	8.3			
15	30		Cum	2	15.00	0.55	0.50	8.3			
30	45		Cum	2	15.00	0.55	0.50	8.3			
45	60		Cum	2	15.00	0.55	0.50	8.3			
60	75		Cum	2	15.00	0.55	0.50	8.3			
75	80.6		Cum	2	5.60	0.55	0.50	3.1			
							Total	**79.20**			
							Tender Quantity	**27.00**			
							Now to be Paid Quantity				
							Qty upto 125%	**33.75**	**5811.98**	**196154.00**	
							Qty above 125%	**45.45**	**5811.98**	**264154.00**	

Assistant Executive Engineer, Byatarayanapura Sub-division, KRIDL, BBMP, Bangalore
Contractor

PMC

Assistant Engineer

Assistant exicutive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
8		Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs. with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no.						**31.33**			
		Total						**31.33**	**5627.54**	**176322.00**	
		Tender Quantity						**47.60**			
9		Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		For new SSM Drain									
		VR Super Market Oppossite									
0	15		Sqm	2	15.00		0.60	18.00			
15	25.5		Sqm	2	10.50		0.60	12.60			
0	15		Sqm	2	15.00		0.60	18.00			
15	30		Sqm	2	15.00		0.60	18.00			
30	37.9		Sqm	2	7.90		0.60	9.48			
		Raju House									
0	15		Sqm	2	15.00		0.60	18.00			
15	30		Sqm	2	15.00		0.60	18.00			
30	45		Sqm	2	15.00		0.60	18.00			
45	60		Sqm	2	15.00		0.60	18.00			
60	75		Sqm	2	15.00		0.60	18.00			
75	80.6		Sqm	2	5.60		0.60	6.72			
		Total						**172.80**			
		Tender Quantity						**60.00**			
		Now to be Paid Quantity									
		Qty upto 125%						**75.00**	**149.46**	**11210.00**	
		Qty above 125%						**97.80**	**149.46**	**14617.00**	
10		Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonary (quoin, jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superastructure including cost of materials, labour charges, scaffolding, curing complete as per specifications, and as per the directions of the Engineer-in-charge of the work									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no.						**33.96**			
		Total						**33.96**			
		Tender Quantity						**520.00**			
		Now to be Paid Quantity						**33.96**	**966.72**	**32830.00**	
11		Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab complete.and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		For Flaging Course									

Assistant Executive Engineer
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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		Venkataswammi House									
0	15		Sqm	1	15.00	0.75		11.25			
15	25.2		Sqm	1	10.20	0.75		7.65			
		Nagesh House									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	75		Sqm	1	15.00	0.90		13.50			
75	90		Sqm	1	15.00	0.90		13.50			
90	105		Sqm	1	15.00	0.90		13.50			
105	116.6		Sqm	1	11.60	0.90		10.44			
		For new SSM Drain									
		VR Super Market Oppossite									
0	15		Sqm	1	15.00	1.20		18.00			
15	25.5		Sqm	1	10.50	1.20		12.60			
0	15		Sqm	1	15.00	1.20		18.00			
15	30		Sqm	1	15.00	1.20		18.00			
30	37.9		Sqm	1	7.90	1.20		9.48			
		Raju House									
0	15		Sqm	1	15.00	1.20		18.00			
15	30		Sqm	1	15.00	1.20		18.00			
30	45		Sqm	1	15.00	1.20		18.00			
45	60		Sqm	1	15.00	1.20		18.00			
60	75		Sqm	1	15.00	1.20		18.00			
75	80.6		Sqm	1	5.60	1.20		6.72			
		Temple opposite Road									
0	11.5		Sqm	1	11.50	0.90		10.35			
		New CC Drain									
		Cross Road									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	57.3		Sqm	1	12.30	0.90		11.07			
		Cross Road									
0	15		Sqm	1	15.00	0.75		11.25			
15	35.3		Sqm	1	20.30	0.75		15.23			
		Agrahara layout									
		3rd Main 7th Cross									
		LHS									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	75		Sqm	1	15.00	0.90		13.50			
75	90		Sqm	1	15.00	0.90		13.50			
90	105		Sqm	1	15.00	0.90		13.50			
105	120		Sqm	1	15.00	0.90		13.50			
		RHS									

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MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	75		Sqm	1	15.00	0.90		13.50			
75	90		Sqm	1	15.00	0.90		13.50			
90	105		Sqm	1	15.00	0.90		13.50			
105	120		Sqm	1	15.00	0.90		13.50			
		1St Main 1St Cross									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	51		Sqm	1	6.00	0.90		5.40			
							Total	**646.94**			
							Tender Quantity	**864.00**			
							Now to be Paid Quantity	**646.94**	**2100.00**	**1358564.00**	
12		Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, from works and ascaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cmemnt concrete M-20 for raft foundation, column footing, main and secondary beams complete as per specifications, and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		CC Road									
		V R Super Market BackSide									
0	15		Cum	1	15.00	4.80	0.10	7.20			
15	23.3		Cum	1	8.30	4.70	0.10	3.90			
23.3	34.4		Cum	1	11.10	7.35	0.10	8.16			
34.4	49.4		Cum	1	15.00	4.80	0.10	7.20			
49.4	51.8		Cum	1	2.40	4.40	0.10	1.06			
51.8	62.8		Cum	1	11.00	6.40	0.10	7.04			
62.8	74.4		Cum	1	11.60	7.65	0.10	8.87			
74.4	83.3		Cum	1	8.90	3.90	0.10	3.47			
							Total	**46.90**			
							Tender Quantity	**40.00**			
							Now to be Paid Quantity				
							Qty upto 125%	**46.90**	**5770.64**	**270646.00**	
13		Providing & fixing 20mm thick comprtessible fibre board in expansion joint complete as per drawing & technical specifications Complete as per specifications, and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		CC Road									
		V R Super Market BackSide	M	25	4.00			100.00			
							Total	**100.00**	**126.14**	**12614.00**	
							Tender Quantity	**100.00**			
14		Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		CC Road									

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore
Contractor

PRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant exicutive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		V R Super Market BackSide									
0	15		Sqm	1	15.00	4.80		72.00			
15	23.3		Sqm	1	8.30	4.70		39.01			
23.3	34.4		Sqm	1	11.10	7.35		81.59			
34.4	49.4		Sqm	1	15.00	4.80		72.00			
49.4	51.8		Sqm	1	2.40	4.40		10.56			
51.8	62.8		Sqm	1	11.00	6.40		70.40			
62.8	74.4		Sqm	1	11.60	7.65		88.74			
74.4	83.3		Sqm	1	8.90	3.90		34.71			
							Total	**469.01**			
							Tender Quantity	**400.00**			
							Now to be Paid Quantity				
							Qty upto 125%	**469.01**	**72.08**	**33806.00**	
15		Loading and Unloading of stone boulders by manual means complete as per specification and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no.						**789.51**			
							Total	**789.51**			
							Tender Quantity	**462.13**			
							Now to be Paid Quantity				
							Qty upto 125%	**577.66**	**60.42**	**34902.00**	
							Qty above 125%	**211.85**	**60.42**	**12800.00**	
E1		KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Cum								
							Total	**18.72**			
							Now to be Paid Quantity	**18.72**	**5421.90**	**101482.00**	
E2		Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		New drain									
		Bottom Raft									
		Cross Road									
0	15		Cum	1	15.00	1.20	0.15	2.70			
15	30		Cum	1	15.00	1.20	0.15	2.70			
30	45		Cum	1	15.00	1.20	0.15	2.70			
45	57.3		Cum	1	12.30	1.20	0.15	2.21			
		Cross Road									
0	15		Cum	1	15.00	1.00	0.15	2.25			
15	35.3		Cum	1	20.30	1.00	0.15	3.05			
		Wall									
		Cross Road									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			

Assistant Executive Engineer, Byatarayanapura Sub-division, KRIDL, BBMP, Bangalore
Contactor

PRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant exicutive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
30	45		Cum	2	15.00	0.15	0.60	2.70			
45	57.3		Cum	2	12.30	0.15	0.60	2.21			
		Cross Road									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	35.3		Cum	2	20.30	0.15	0.60	3.65			
							Total	32.28			
							Now to be Paid Quantity	32.28	7070.20	228205.00	
E3		providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications, and as per the directions of the Engineer-in-charge of the work									
			Tonne								
		Vide Total executed Quantity from premeasuremet Page no.						2.42			
							Total	2.42			
							Now to be Paid Quantity	2.42	75223.96	182100.00	
									Sub Total	4222895.59	
									For 12% Applicable GST	506747.00	
									For 3% KRIDL Charges	126687.00	
									For 1% Labour Cess	42229.00	
									Total Amount	4898558.59	

5/5/20

Raghu 5/5/2020

BUDDAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Contactor PMC Assistant Engineer Assistant exicutive Engineer

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